

**Economic and Social Commission for Asia and the Pacific**

Side event to the Committee on Statistics, second session

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**Modernization of Statistical Information Systems**

**Speaker presentation:** Statistics Korea, Innovative Approaches in Information System and Dissemination Services in Korea and Beyond <sup>/1</sup>

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<sup>1</sup> This document was contributed by the Assistant Director, International Cooperation Division, Statistics Korea. It has been reproduced without formal editing. The views expressed are those of the authors and do not necessarily reflect the views of the United Nations

# **Innovative Approaches in Information System and Dissemination Services in Korea and Beyond**

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## **Contents**



**I. Approaches in Information Service and Dissemination**

**II. Smart Korea and Beyond**

## I. Approaches

### ◆ The Purpose of Information Systems and Dissemination Service

#### - Meet Users' Needs

### ◆ KOSTAT's Differentiated Approach

#### - Statistical Expert (Statistician, Professor...)

- Support users with statistical expertise can access regardless of time and place

#### - Public General

- Providing user friendly service through storytelling and visualization

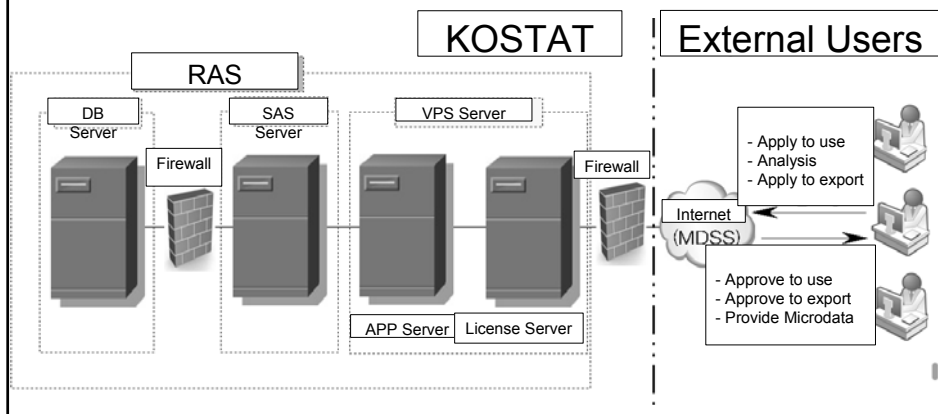


Statistics is not only numeric figure but should be transformed as the “knowledge” and exploited to support decision-making for every member of society.

## I. Approaches for EXPERT

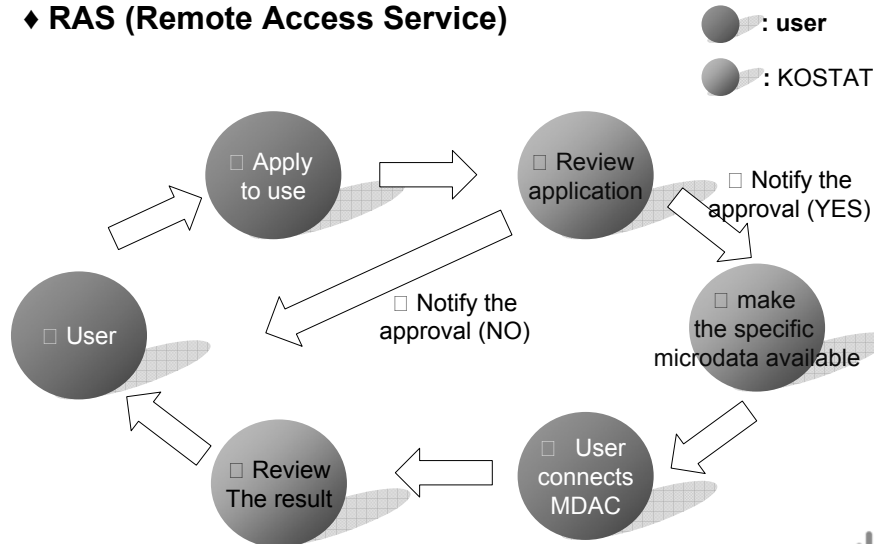
### ◆ RAS (Remote Access Service)

- as one of MDSS (MicroData Service System), licensed users can connect KOSTAT's RAS and use their preferred microdata at their office and home.



## I. Approaches for EXPERT

### ◆ RAS (Remote Access Service)



\* RAS is available as of September 2010

STATISTICS KOREA

## I. Approaches for PUBLIC GENERAL

### User-oriented and user friendly Service

#### ◆ One-Stop Statistical Service (KOSIS)

- providing major national statistics through the integrated DB

#### ◆ Visualization of statistical data (G20 Statistical Journey)

- Use graphic elements to effectively convey data to users
- Provide data for users to obtain meaningful information
- Graphic elements: color, symbol, chart, diagram, map, drawing, picture, etc.

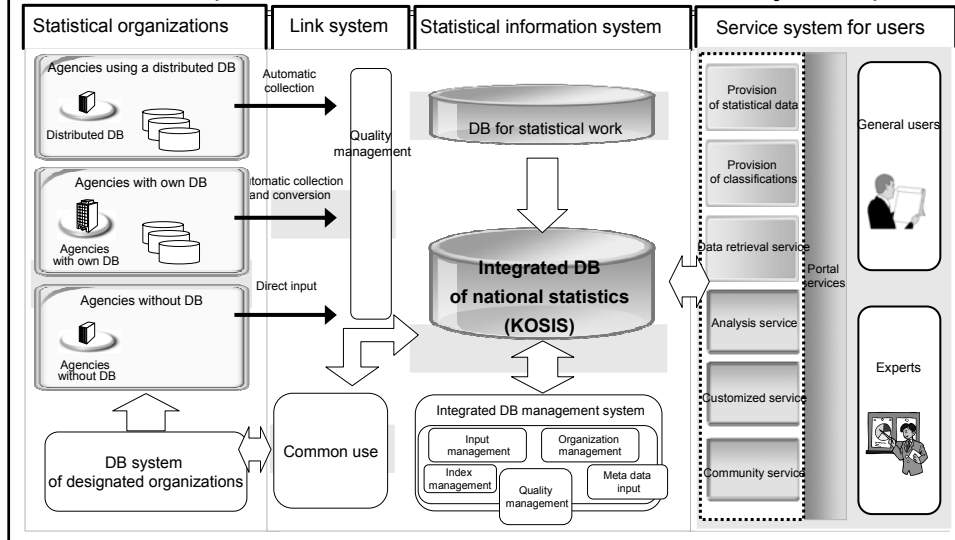
#### ◆ Storytelling of statistical data (Homo Statisticus)

- A representation other than characters to meet user needs
- Enable users to reason perceptually through intuition
- Interactive communication system to disseminate emotional information

STATISTICS KOREA

# I. Approaches for PUBLIC GENERAL

## ◆ KOSIS (KOSTAT Statistical Information System)



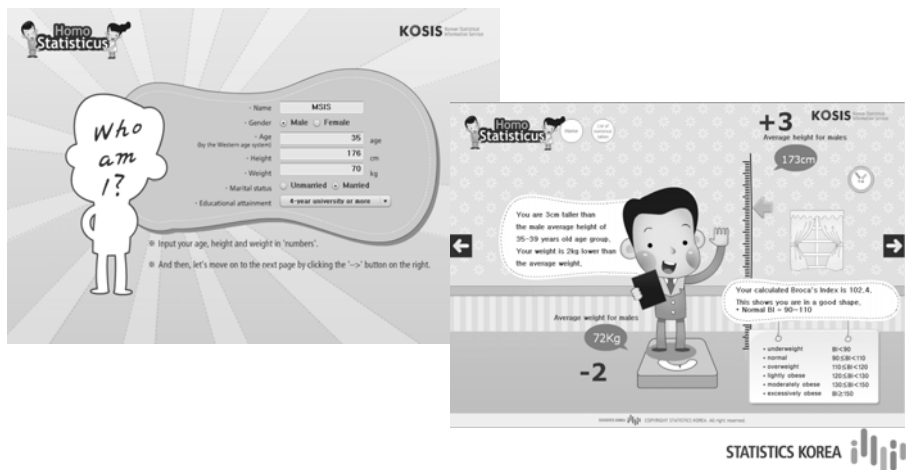
# I. Approaches for PUBLIC GENERAL

## ◆ G20 Statistical Journey



## I. Approaches for PUBLIC GENERAL

### ◆ Homo Statisticus



### ◆ Transformation of Statistics into Knowledge

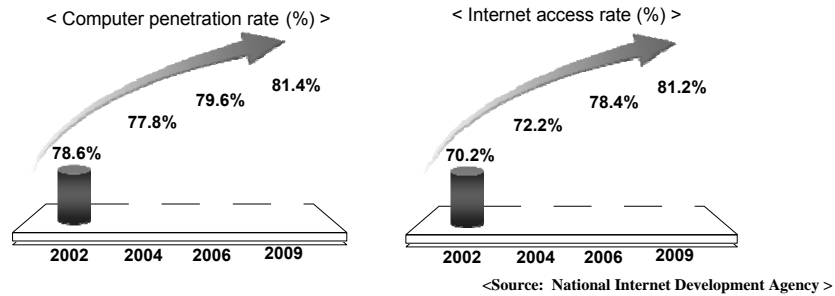
- Combine, analyze and conceptualize data to be used for decision making
- Make data meaningful to the general public
- The 3<sup>rd</sup> OECD World Forum (Korea, 2009)



Information System and Dissemination Service can support to improve nexus between statistics and policy making.

## II. Smart Korea and Beyond

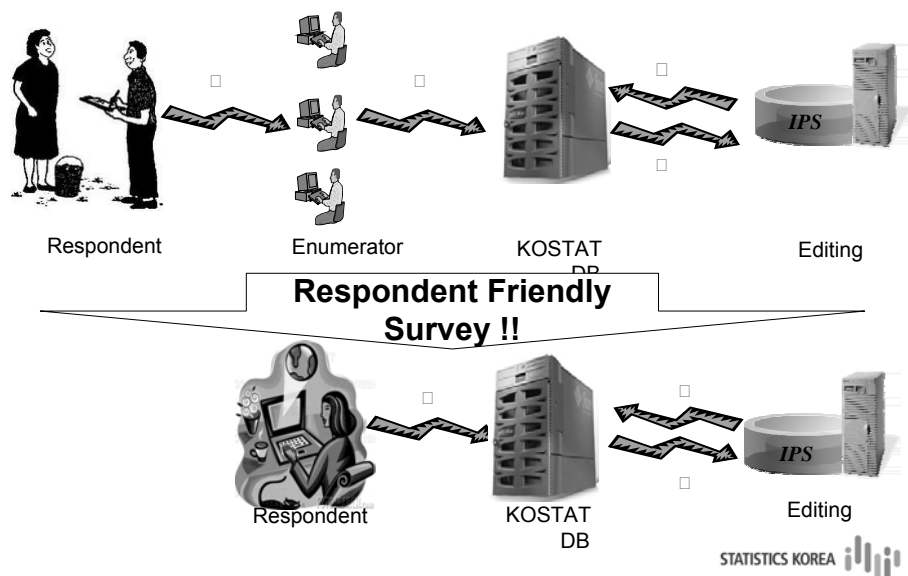
### ◆ Smart Korea



- Internet survey gains popularity owing to the rapid transition into an information-oriented society with the increase of IT users
- 81.4% of households have a PC and 81.2% can access the Internet
- 98% of establishment is accessing network and using PC in 2009

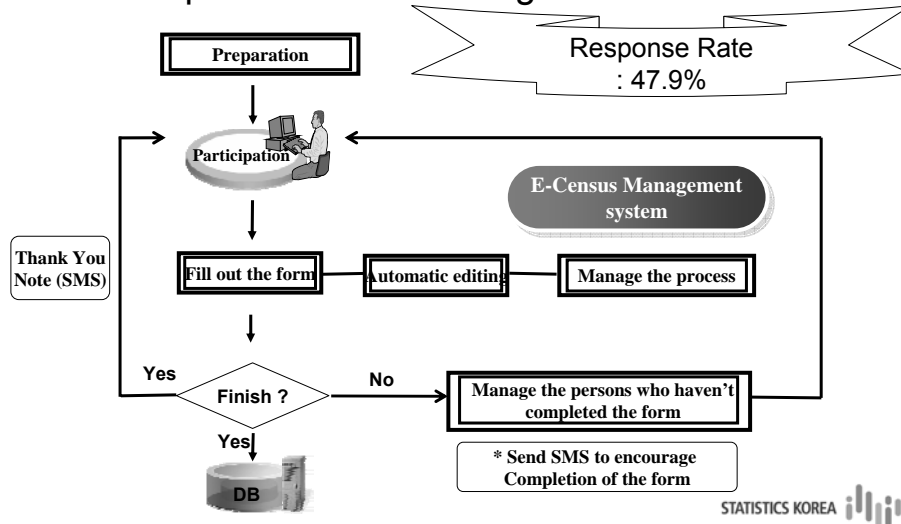
STATISTICS KOREA

## II. Smart Korea and Beyond



## II. Smart Korea and Beyond

### ◆ 2010 Population and Housing Census



## II. Smart Korea and Beyond

### ◆ Increase of Smart Phone User in Korea

- 2.6%(2009) → 8.3%(2010) Application

<Source: National Internet Development Agency >

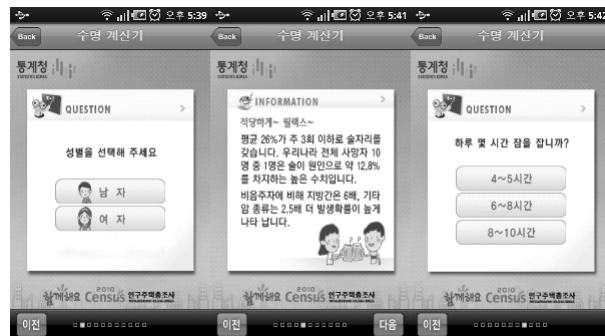
### ◆ Smart Phone Application

- “Expected Lifetime Calculator”

통계로 보는 자화상



<수명 계산기를 다운 받을 수 있는 QR 코드>

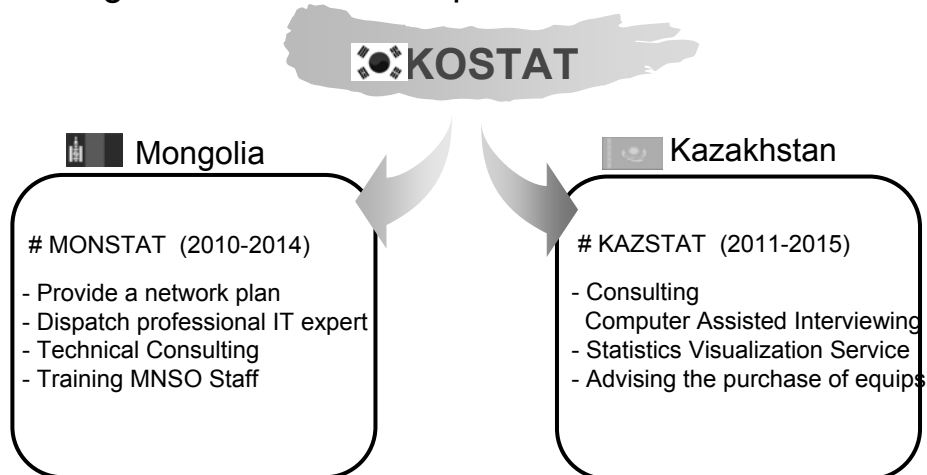


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## II. Smart Korea and Beyond

### ◆ Regional Technical Cooperation of KOSTAT



## II. Smart Korea and Beyond

### ◆ Statistical Development leads to Social Progress





# Thank you.

❖ Statistics Korea : <http://www.kostat.go.kr/eng>

❖ <http://kosis.kr/eng> : KOSIS, G20 Statistical Journey,

Homo Statisticus